## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NC  | DATE     |
|---------------------------|----------|--------|----------|
| Position                  |          |        |          |
| FEE DETERMINATION         |          |        | - hel    |
| O.I.P.E. CLASSIFIER       |          | 12     | 77 71 01 |
| FORMALITY REVIEW          | 95_      | 15 17  | 03-01-1  |
| RESPONSE FORMALITY REVIEW | A-M      | DC 500 | 05-09-01 |
|                           |          |        |          |

## INDEX OF CLAIMS

| Rejected                     | N Non-elected |
|------------------------------|---------------|
| = Allowed                    | IInterference |
| (Through numeral) Canceled   | A Appeal      |
| - (Through humerar) Cansolid | O Objected    |

| Cla      | im       | Г        |     |                |      | _       |          | D         | ate     | ,   |          |          | _            |     |          |    | C            | lai   | m        |            |          |          | _        | _0       | ate      |          |          | _        |  |     | 1                                      |
|----------|----------|----------|-----|----------------|------|---------|----------|-----------|---------|-----|----------|----------|--------------|-----|----------|----|--------------|-------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|--|-----|--|
| Final    | Original | 20.0     | 3   |                |      |         |          |           |         |     |          | Ī        |              |     |          |    |              | Final | Original |            |          |          |          |          |          | .        |          |          |  |     |  |
| Ē        | Ö        | 0        | 7   |                | ŀ    | +       |          | ╀         | +       |     | -        | +        | +            | +   | $\dashv$ |    | ł            |       | 51       | _          | $\vdash$ | t        | 1        | $\top$   |          | 1        |          |          |  |     | 1                                      |
| لب       | 2        | -        | H   | -              | ╁    | +       | _        | +         | +       |     | +        | †        | $^{\dagger}$ | +   | ᅦ        |    | t            |       | 52       |            |          | I        | I        | $\Box$   | $\Box$   |          |          | L        | L                                      | L   | 1                                      |
|          | -        | _        | Н   | Ċ              | t    | ٦       | _        | t         | _       | _   | t        | 1        | 1            | 7   |          |    | Ī            |       | 53       |            | L        | 1        |          | _        | 4        | 1        |          |          | <u> </u>                               | L   | 1                                      |
| -,       | 4        | -        | H   | -              | t    | -       | ·        | t         |         |     |          | 1        | $\cdot$      |     |          |    |              |       | 54       |            | L        | 4        | 4        | -        | -        | -        |          | ┝        | ╁                                      | +   | 1                                      |
| 7.       | E        | -        | П   |                | T    |         |          | 1         |         |     | L        | ŀ        |              |     |          |    | ٠ إ          | ات    | 55       | <u> </u>   | 1        | +        | -        | -        | $\dashv$ | -        |          | ┝        | ╁                                      | ╀   | 1                                      |
|          | - 6      |          | 1   |                | Ŀ    | , į     |          | 1         |         | 1   | Ŀ        | 1        | 4            | _   |          |    | ŀ            | -     | 56<br>57 | ┞          | ╀        | +        | $\dashv$ | -        | +        | Ţ        | 4,       | +        | +-                                     | ١.  | 1                                      |
|          | (        |          | V   |                |      |         |          | 1         |         | ڹ   | 4.       | 4        | 1            | -   |          | ľ  |              | -     | 58       | -          | ╁        | +        | ᅥ        | 3        | -        | 7        |          |          |  | -   |  |
|          | Ľ        | -        | 1   |                | 4    | ب       | ١.       | 4         | ٠,      |     | -        | 4        | 4            |     | . 4      | ١. | 1            |       | 59       | <u> </u>   | _        | +        | 7        |          | _        |          |          |          |  | †   | 1                                      |
| <u> </u> | -        |          |     | -              |      |         |          | 4         |         |     | +        | 7        | 一            | 4   |          |    |              |       | 60       | 4-         | ٠.       | 1        | 7        |          |          |          |          |          | L                                      |     | ]                                      |
| ÷.       | -        | -        | e)  | L              | +    | 4       | 3        | +         |         | H   |          |          | -            | 7   | 7        |    |              | ă     | 6        | _          | 1        |          |          |          |          |          |          | Ŀ        | L                                      |     | ]                                      |
| · ^ `    | 1        | 2.0      | - { | H              | +    | ان<br>ق |          | 7         | F       | 117 | ď        | 1        |              | . 4 |          | l  |              |       | 62       | 1          | I        | 3        |          |          | ,        |          | Ŀ        | L        | 1                                      |     | 1                                      |
| -        |          | 3        |     | +              | 4    |         |          | ٦٠        | 1       | 4   | +        | 1        | 3            | 1,  |          | ١, | 1            |       | 6        | L          | 1        |          | 1        |          | , (·     |          | _        |          | 1.                                     | 1   | 4                                      |
| د<br>د   | _        | 4        |     | T              | 1    |         | t        | -         | ,       | 17  | 1        | .;       |              |     |          | ľ  |              | Š     | 84       | -          | 4        | _        |          |          |          |          | -        | +        | 4                                      | 4   | -                                      |
|          | 144      | 5        |     |                | 3    |         | T        |           |         |     | Ι        |          |              | ·   |          | 1. |              | 7.    | 65       | -          | 4        |          | -        |          | - 1      | -        | H        | ╀        | +                                      | +   | 4                                      |
|          | -        | 6        | ١,  | T              |      | ,-1,    | L        |           |         | L   | 1        |          | ١,           |     |          | 1  | ٤,           |       | 60       | -          | +        | _        |          | $\vdash$ | _        | -        | 1        | +        | +                                      | +   | 1                                      |
|          |          | 7        | ť   | j              |      | 1/2     | I        |           | 0       | 1   | 1        |          | 1/4          |     |          | 1  |              | -     | 6        |            | +        |          | 200      |          | 7.       | <b>!</b> |          | 1        | 十                                      | र्न | 1                                      |
|          |          | 8        | 2   | 1              | 1    |         | L        | 1         | 1       | L   | 1        |          |              | _   |          | ł  |              | ۰     | 6        | ++-        | 7        | -        | 9        | 115      | 1.3      | 1        | ۳        | +        | 1                                      |     | 1                                      |
| L        | -        | 9        |     | L              | -    |         | Ļ        | 4         |         | 1   | 4        | -        | 1            | -   | -        | 1  | ·}           | -     | 7        | -          | +        | 4        | -        | 4        |          | 14       | t        | †        | Ť                                      |     | া                                      |
| ű        | Ų,       |          |     | L              | 3    | _       | L        |           | _       | 1   | 4        |          |              | -   | 1        | ŀ  | 7            | -     | 7        | <u>-</u> F | +        | 7        |          |          | -        | Ť.       | t        | †        | T                                      | 3   | ٦                                      |
| L        | -        | 1        | _   | 1              | ζ,   |         |          | 4         |         | L   | 4        |          | -            | 77  | ╁        | ŀ  |              |       | 17       |            | 7        | , v      | -        |          |          | T        | T        | †        | T                                      | 1   |  |
| L        |          | 2        | -1  |                | i.   | 1       |          | 9         |         | ÷   | +        |          |              | -   | +        | 1  | ار.<br>در در | ۲     | 17       |            | 1        |          |          | 1        |          | Ľ.       | 1        |          | Ι                                      | 3   |  |
| L        | Y        | 23<br>24 |     | 1              |      | ¥       | 1        | 7.        |         | ť   | +        |          | -            | -   | +        | 1  |              | 1     | -        | -          | 7        | , ,      | 1.5      | 7.3      |          |          | Ι        |          | نا ثــ                                 |     |  |
| H        |          | 25       |     | +              |      |         | t        | €.<br>€.1 | -       | +   | 1        |          |              | T   | 1        | 1  |              |       | 7        | 5          | ī        |          | ;        |          |          |          | _        |          |  | 1   |  |
| F        | -        | 26       |     | †              | ¥    | -       | t        |           |         | ١,  | 1        | 2.7      |              | T   | T        | 7  | 4            | E     | 7        | θ          | •        | <u> </u> |          |          | L        | Ľ        | -        | 3        | 4                                      | 1   |  |
| ۲        |          | 27       | ۲   | t              | 774  | 7       | 1        | e de      |         | 1   |          |          |              |     | Ι        | ]  |              | 7     | -        | -          |          | .,.      | Ĺ        | _        | _        | 1        | -1:      |          | 1                                      | 4   | 1                                      |
| ۲        |          | 28       |     | 1              | 1    |         | T        | ( )       |         | I   | $\Box$   |          |              |     | L        |    |              | L     | _        | 8          | 4        | 1        | ļ.,      | -        | -        | +        | 1.       | 7        |  | -   | 4                                      |
| T        | _        | 29       |     | 7              | 3    |         | 1        |           |         | 1   |          |          | L            | L   | 1        | 4  |              | -     |          | 9          | -        |          |          | +        | ╀        | +        | +        | +        | +                                      | +   |  |
| L        |          | 30       | 1/  |                |      | Ě       | ŀ        |           |         | 1   |          | 1        | Ŀ            | Ŀ   | 4        | ÷  | · .*         | -     | _        | 11         | -        | _        |          | †;       | -        | +        | 4        | +        | +                                      | -   | -1                                     |
| L        |          | 31       |     | ų.             | 10   | L       | 1        | •         | L       | 1   | 4        | 7        | L            | 4.  |          | 3  |              | H     | -        | 2          | -#       |          | -        | Ľ        | Ė        | _        |          |          | 7                                      |     | 35                                     |
| L        |          | 32       |     | 4              | 11.2 | L       | 1        |           | L       | 7   |          | -        | $\vdash$     | +-  | 1        | 4  |              | H     | _        | 3          |          |          | 1        | 1        | 5        | +        | 1        | 1        |  |     |  |
| Ļ        |          | 33<br>34 | -   | 4              |      | L       | 4        | 1         | ŀ       | -   |          | _        | +            | +   | +        | ᅥ  |              | F     | -        | 14         | 3        |          | V        |          |          | 1        | ·        |          |  | ′   |  |
| +        |          | 35       | -   | +              |      | +       | 1        |           | <u></u> | +   | 7,       |          | 1            | 1   | †        | ٦  |              | ١-    | 1        | 35         |          |          | L        |          | Ι        |          |          |          |  |     | <u> </u>                               |
| F        |          | 36       | 4   | +              | . 1  |         |          | 1         | +       | 7   | đ        | 14.      | 1            | 1   |          |    |              | L     |          | 36         | ``       |          |          |          | L        |          |          | 4        | _                                      | 4   | نبت                                    |
| `        | ٦        | 37       | +   | 1              | , 7  | -       |          |           | T       | 1   |          |          | Γ            | I   | I        |    |              | L.    | _        | 37         | , ,      |          | 1        | 1        | 1        | -        | 1        |          | -                                      |     | :                                      |
| f        |          | 38       |     | 1              | ٠,   | T       |          |           | T       | I   |          |          |              |     | 1        |    |              | L     | -        | 38         |          | L        | 1        | +        | +        | +        | +        | $\dashv$ | 귀                                      |     |  |
| T        |          | 38       | T   |                |      | I       | ·        |           | L       |     |          | _        | 1            | 1   | 1        | _  |              | F     |          | B9         | <u>.</u> | ┡        | F        | ╁        | +        | +        | +        | -        | $\dashv$                               | -   |  |
| : [      |          | 40       |     |                |      | 1       | 1        |           | L       |     | • •      |          | 1            | 1   | 1        | •  |              | -     | -        | 90         |          | L        | +        | +        | +        | ╬        | +        |          | -                                      | -   | -                                      |
| •[       |          | 4        | 1   | ?              |      |         | 2        |           | L       | _   |          | L        | 1            | 1   | 4        | _  |              | ŀ     | -        | 91         | <u>.</u> | ┟╌       | ╀        | ╌        | +        | +        | +        | $\dashv$ |  | -   | ┝                                      |
|          |          | 42       |     |                |      | I       |          |           | L       | 4   |          | L        | 1            | 4   | 4        |    | ١.           | -     | _        | 92         |          | ┞        | +        | ╁        | +        | +        | +        | -        |  | -   | ┝                                      |
|          | 1,-      | 4        | ٠,  |                | , ·. | 1       | ا        | Ļ         | 4       | 4   | _        | $\vdash$ | +            | +   | +        |    | 1            | ŀ     | _        | 93<br>94   | -        | +        | +        | +        | +        | +        | $\dashv$ | ᅱ        | _                                      | Γ   | Г                                      |
|          |          | 4        | _   | 3              |      |         |          | L         | 1       | 4   |          | 1        | -            | +   | +        | _  | 1            | ŀ     | _        | 95         | -        | +        | +        | +        | +        | +        | 7        |          | Г                                      | Т   |  |
| -        | .,,_     | 4        | -   | ٠٠.            | 2    | +       | _        | +         | +       | -4  | -        | ╀        | +            | +   | ᆠ        |    |              | ŀ     | -        | 96         | ۲        | +        | +        | +        | +        | $\top$   | 7        |          |  |     |  |
| ١        | +        | 4        | -   | , i            | H    | +       | 17.      | H         | +       | ┯╢  | ٠,       | ╁        | +            | +   | +        | _  | 1            | t     | ᅥ        | 97         | Г        | †        | T        | 1        | 7        | T        |          |          |  |     |  |
|          |          | 4        |     | <del>: :</del> | -    | +       | <u>.</u> | +         | +       |     | $\vdash$ | t        | +            | +   | +        | _  | 1            | t     | _        | 98         |          | I        | Ī        | I        | I        |          | $\Box$   |          | Ĺ                                      | Ĺ   | 1                                      |
|          | -        |          | 9   |                | ۲    | +       | _        | t         | +       | _   | -        | +        | +            | +   | 1        | _  | 1            | t     |          | 99         |          | I        | I        | I        | I        | 1        | $\dashv$ |          | -                                      | 1   | ├-                                     |
|          |          |          | ō   |                | +    | -+      | -        | +         | -+      | _   | 1        | +        | $\neg$       | ╗   | ╗        |    | 1            | Ī     |          | 100        | İ        |          | - 1      | .1.      | _1       | _1       |          |          | ــــــــــــــــــــــــــــــــــــــ | 1_  | ــــــــــــــــــــــــــــــــــــــ |

こうでは、またないを養するとなって大きなのであるとの

| _        |          |            |      | _  |   |    |     | _  | _    |     | _  |    | _        | _    | _  |     | _      |     |
|----------|----------|------------|------|----|---|----|-----|----|------|-----|----|----|----------|------|----|-----|--------|-----|
| la       | m        |            | _    | _  |   | _  | -   | Da | te   | _   | r  | -  |          |      |    |     | 4      | - ( |
|          | 멸        |            |      | ŀ  |   |    |     |    |      |     | ١  |    |          | 1    | ٠. |     | 1      | 7   |
|          | Original |            |      |    |   |    | -   | -  | ١    |     | ļ  |    |          | ١    |    | ١.  |        | :   |
| ٦        | 101      |            | H    | †  |   | 1  | 1   |    | †    |     | T  |    |          | 1    | 1  | Γ   | 1      |     |
|          | 102      | _          |      | 1  |   | L  |     |    | Ι    | _   | I  |    |          | I    |    | Γ   | ]      |     |
|          | 103      |            | E    |    |   | L  |     |    | 1    | _   | 1  | ٠. | L        | 1    |    | Ļ   | _      |     |
| _        | 10       |            | L    | 4  |   | Ļ  | 4   | ٠  | 4    |     | +  |    | ŀ        | 4    | -  | +   | 4      | ٠.  |
| _        | 100      |            | ╀    | 4  |   | ł  | 4   | -  | +    | -   | +  |    | ł        | 4    |    | +   | +      |     |
| _        | 100      |            | ╀    | Η  |   | ł  |     | Н  | 1    | . * | +  |    | ł        | 1    | -  | Ť   | ٦      |     |
| ÷        | 10       | -          | ۲    | -  | ٠ | t  |     | F  |      |     | 1  | •  | t        |      |    | t   | ٦      |     |
| <u>.</u> | 10       |            | t    | •  |   | t  | 3   | -  | Ż    | 1   | 1  | 1  | t        |      |    | †   |        | 1.  |
|          | 111      |            | 1    | 2  |   | 1  |     | Γ  | 1    |     |    | ं  | T        |      |    | Ι   |        |     |
|          | 11       |            | 1    | 4  | 1 |    | 1   |    | à    | *   | 1  |    | 1        | h    |    | 1   |        |     |
|          | 11       |            | Ι    |    |   |    | ş   | L  |      |     |    |    | 1        | ं    | į. |     | 3      |     |
| į.       | 111      |            | 1    | -  | L | 4  |     | L  |      | L   | Ĵ  | Ļ  | 1        | W.   | ٠. | 4   | 3.     |     |
|          | 11       |            | 4    |    | Ľ | 4  | ٠   | l  | 1    | -   | A  | 1  | 4        | 167. | L  | 4   | -      |     |
| ÷        | 11       |            | -    | بن | Ļ | 4  | *** | ٠. | a fi | ŀ   | 3  | H  | 1        |      | ŀ  | +   | بنب    | l   |
|          | 11       |            | 1    | •  | - | -  | 4   | +  | 67.  | ŀ   |    | H  | +        |      | t  | 4   |        |     |
|          | h        |            | 1    | -  | ۲ |    |     | +  | , M  | t   |    |    | 1        | 10   | t  | 1   |        | ١.  |
|          | h        |            | 1    |    | ľ |    |     | 1  |      | F   |    | T  |          |      | Ż  | 4   | , alex | l   |
| 3        |          |            | 1    |    | t |    | 1   | 1  |      | İ   |    | Г  | 1000     | 14   | Š  | A.  | 1      | ľ   |
| 7        | 4-       | 21         | 1    |    | t |    |     | t  |      | t   |    | T  | 1        | 1    | ľ  | V.  |        | ľ   |
| ,        |          | 2          | 1    | •  | T | Į, |     | I  |      | I   | Š  |    | 1        | d    |    |     |        | ŀ   |
| 7        | 1        | 28         |      |    | I |    |     | 1  |      | I   |    |    |          |      | 1  |     | Ť.     | L   |
|          | T        | 24         |      | ķ  |   |    |     | 1  | Ą.   | ľ   |    | ļ  | Ŷ,       |      |    | į,  | 0      |     |
|          | _        | 25         |      |    | 1 | ं  | Į,  | 4  |      | 1   |    | 1  |          |      |    | 4   |        | ¢   |
|          |          | 26         | -    | _  | + | 1  | -   |    | *    | +   | 10 | ł  |          | 9    | 1  | 9   | 1      | ¥   |
| L        | _        | 27<br>28   |      | H  | ł |    | -   | 4  | -    | +   |    | t  |          | Ĥ    | Ì  | ij, | M      | 1   |
| ۱        |          | 29         | 1    | H  | + | ۵  | t   | -  |      | †   |    | t  | J.       | 7    | 1  | Ŧ   |        | 4   |
| 1        |          | 30         | 7    |    | 1 |    | -   |    |      | T   |    | 1  | ्        |      | 1  | F   |        | 1   |
| ۲        | -        | 31         | 4.7  |    | 1 |    | T   | 5  |      |     |    | Ι  | 3 S      |      | 1  |     | L      | 1   |
| ļ        |          | 32         |      |    |   |    |     | 7  | 5,   |     |    | 1  |          | L    | 4  | -   | ١.     | 1   |
|          | .        | 33         |      | L  | 1 |    | L   | •1 |      | 4   | ٤  | -  |          | L    | +  |     | H      | 4   |
| L        |          | 134        |      | L  | - |    | 4   | ٠. | 3    |     | ,  | 1  |          | ┝    | -  |     | ۲      | 1   |
| L        |          | 136        |      | ŀ  | 4 |    | +   | -  | -    | 4   |    | 1  | -        | 十    | 1  |     | t      | 1   |
| ŀ        |          | 137        | -    | ŀ  | - | ř, | t   | •  |      |     |    | †  | 1        | T    | 1  |     | L      |     |
| ŀ        | _        | 38         |      | t  |   | -  | t   | Ť  | ı    |     | :  | 1  | ٠,       | L    |    | ٠   | L      | _   |
| t        |          | 139        |      | T  |   | ,  | 1   | 7  | L    |     |    | ]  |          | L    | _  | _   | 1-     | 4   |
| Ī        |          | 140        | ,    | Τ  |   | 7  |     | _  | Ŀ    |     | L  |    | Ξ,       | L    | 4  | -   | Ł      | -   |
| t        | _        | 141        |      | Τ  |   |    | Ι   | ٠, | L    |     |    | _  | <u>.</u> | ļ    | -  |     | +      | -   |
| Ì        |          | 142        |      | I  |   |    | I   | •  | L    | _   | L  | 4  | _        | 1    | -  | ١,  | ╁      | -   |
| Ī        |          | 143        |      | I  |   | Ĺ  | 1   |    | 4-   | -   | L  | 4  | _        | +    | -  | ۲   | +      |     |
|          |          | 144        | نــا | 4. | · | L  | +   |    | ļ    |     | H  | 4  |          | +    | 닉  | ۲   | t      | 1   |
| 1        |          | 145        | -    | +  | - | H  | +   | -  | ╀    | ;   | -  | -  |          | +    | -( | ٢   | 1      | ,   |
| 1        |          | 146<br>147 | H    | +  |   | H  | +   | ÷  | †    |     | ۲  | ÷  | ,        |      | ř  | Γ   | Ι      | 1   |
| -        |          | 148        | ┝    | +  | _ | +  | +   | _  | t    |     | t  | _  |          | 1    | _  | Ĺ   | 1      | _   |
| ł        |          | 149        | H    | †  | _ | ۲  | †   |    | İ    | _   | E  |    | Ξ        | I    |    | L   | +      | _   |
| ł        |          | 150        |      | 1  |   | L  | 1   | _  | Ι    |     | L  |    | با       | ٠    | _  | L   | با.    | -   |
| •        |          |            |      |    |   |    |     |    |      | •   |    |    | •        |      |    |     | V.,    |     |

If more than 150 claims or 10 actions staple additional sheet here